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**PATENT**

**DOCKET NO. 4524B**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

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| Applicant: | **Clark *et al.*** | Art Unit: | **2833** |
| Serial No: | **09/886,550** | Examiner: | **H. Vu** |
| Filed: | **6/21/2001** | | |
| For: | **Power Connector** | | |

04 June 2002



Commissioner for Patents
Washington, DC 20231

Sir:

**AMENDMENT A**

In response to the Office Action of March 13, 2002, please amend the above-referenced patent application as set forth below:

**IN THE CLAIMS:**

**Please amend the following claim:**

b1 55. (Once Amended) Electrical connectors matable with each other by movement towards each other along an axis, comprising:

(a) a power receptacle comprising an insulative receptacle housing having at least one conductive receptacle contact, said receptacle contact comprising a pair of spaced-apart planar receptacle walls forming therebetween an open plug contact receiving space, each of said pair of planar receptacle walls having a dimension extending in a direction parallel to said axis; and (b) a power plug comprising an insulative plug housing having at least one conductive plug contact, said plug contact comprising a pair

of spaced-apart planar plug walls, said spaced-apart planar plug walls each having a beam extending therefrom, said beams forming a projecting section engageable in the plug receiving space of the receptacle contact, said beams of said projecting section being opposed and spaced from each other by a distance less than a distance between said receptacle walls.

**Please add the following new claims:**

59. (New) The connectors according to claim 55, wherein each beam of each said projecting section is unitary with its respective planar plug wall.

60. (New) The connectors according to claim 55, wherein each of said spaced-apart planar plug walls are coplanar with each of said beams.

61. (New) A plug connector for power applications, comprising:

an insulative plug housing;

at least one conductive plug contact within said insulative housing; said plug contact comprising a pair of spaced-apart planar plug walls, said spaced-apart planar plug walls each having a unitary beam extending from one end thereof and terminal contacts from another end thereof, said beams forming a projecting section engageable in a plug receiving space of a receptacle contact.

62. (New) The plug connector according to claim 61, further comprising a bridging element for connecting said pair of spaced-apart planar plug walls.

63. (New) The plug connector according to claim 62, wherein said plug contact